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(19)

(11) Publication number:

04202315 A

Generated Document.

PATENT ABSTRACTS OF JAPAN

(21) Application number: 02329977

(51) Int'l. Cl.: C08G 18/08 B29C 39/00 B29C 45/00 C08G 18/50 C08G 18/65 C08K 5/36 C08L 75/04

(22) Application date: 30.11.90

(30) Priority:

(43) Date of application publication: 23.07.92

(84) Designated contracting states:

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(54) PRODUCTION OF ELASTOMER

(57) Abstract:

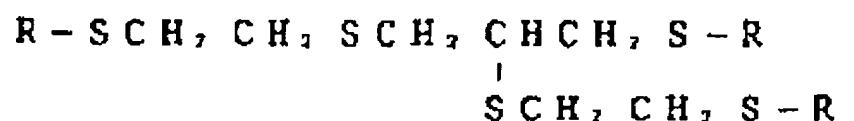
PURPOSE: To continuously obtain the subject elastomer having excellent mold- releasability and coating ability using a reaction injection molding process by using a new sulfur-containing compound as an internal mold release agent in the reaction of a polyisocyanate with a polyol in a closed mold.

CONSTITUTION: The objective elastomer can be produced by reacting a reaction mixture containing (A) an aliphatic, alicyclic and/or aromatic polyisocyanate, (B) a polyol having plural active hydrogen groups and a molecular weight of 800-1,200 or a polyether produced by substituting the terminal of the polyol with (aromatic) primary amino, secondary amino or imino, (C) 5-80 pts.wt. (based on 100 pts.wt. of the

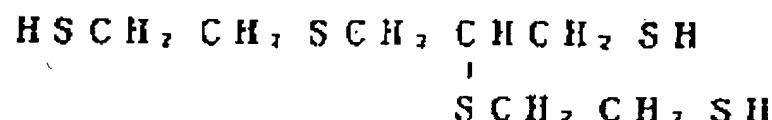
component B) of a chain-extender containing aromatic diamine and (D) an internal mold release agent consisting of a sulfur-containing compound of formula I (R is 8-30C aliphatic hydrocarbon group) in a closed mold. The component D is preferably produced by reacting a mercapto compound of formula II with a halide such as capryl chloride.

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